MASTER OF EDUCATION (leading to Initial Licensure)
SECONDARY TEACHER OF BIOLOGY (8-12)

Prerequisites:

1. Bachelor’s degree with six Biology courses or their equivalents. Courses must include General Ecology, Genetics, Cell Biology (preferred) or Microbiology, Plant Biology, Human Anatomy and Physiology (I or II), Evolution, a 1-credit seminar in the History and Nature of Scientific Knowledge, and one year of General Chemistry. Students may be required to fill undergraduate prerequisites as determined by the graduate advisor.
2. Passing grade on the MTEL Communication and Literacy Skills Test.
3. Coursework in Adolescent Development and in Foundations of Education.

Program Requirements:

<table>
<thead>
<tr>
<th>Requirements for Initial Licensure in Teacher of Biology (8-12):</th>
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</thead>
<tbody>
<tr>
<td>EDUC 0540 Students with Special Needs 3 s.h.</td>
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<tr>
<td>EDUC 0552/3/4 Educational Planning and Evaluation 3 s.h.</td>
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<tr>
<td>BIOL 0590 Teaching Secondary School Biology 3 s.h.</td>
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<tr>
<td>EDUC 0580 Multicultural Education 3 s.h.</td>
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<tr>
<td>EDUC 0569 Practicum: Secondary Biology 6 s.h.</td>
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EDUC 0632 Research in Education (research project required) 3 s.h.

A total of 15 additional credits to include:

6 additional credits of pedagogical coursework at the 600 level.

9 additional credits of content area graduate course work in Biology. Specific course selections to be made in consultation with the graduate advisor.

Requirements for Master's Degree 36 s.h.

Additional Guidelines

A. Students must have passed the MTEL subject matter test(s) and have a GPA of 2.8 before beginning the practicum. Although you may be allowed to apply for student teaching practicum with a 2.8 GPA, you must maintain a 3.0 GPA to remain in the graduate program.

B. Students are required to successfully complete a written comprehensive examination to demonstrate mastery of knowledge gained in coursework and to relate concepts across the curriculum. The comprehensive exam may be taken after completing a minimum of nine of the ten non-practicum courses within the Master’s program.
C. Passing scores on all appropriate and required sections of the MTEL are required for practicum enrollment. Practicum placement also requires completion of the following courses:

EDUC 0540 Students with Special Needs,
EDUC 0552/3/4 Educational Planning and Evaluation,
BIOL 0590 Teaching Secondary School Biology,
EDUC 0580 Multicultural Education,
and the recommendation of the student’s advisor, program director and Department Chair or designee.